WHAT IS CLAIMED IS:

	1	1.	A method for updating a program in a data processing system comprising the
	2	steps	of:
	3		requesting a trusted platform module ("TPM") to perform a signature verification
	4	of an	update to the program;
	5		the TPM performing the signature verification of the update to the program;
,	6		if the signature verification of the update to the program is successful, unlocking
	7	a men	nory unit storing the program; and
1	8		modifying the program with the update to the program in response to the
	9	unlocl	king of the memory unit storing the program.
7	1	2.	The method as recited in claim 1, further comprising the step of:
	2		locking the memory unit after the modifying step.
ē L	1	3.	The method as recited in claim 2, wherein the locking step is performed by the
	2	TPM.	

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1	4. A computer program product adaptable for storage on a computer readable		
2	medium and operable for updating a BIOS stored in a flash memory in a data processing		
3	system, comprising:		
4	a BIOS update application program receiving an updated BIOS image;		
5	the BIOS update application requesting a TPM to perform a signature verification		
6	of the updated BIOS image;		
7.	a TPM program receiving the request from the BIOS update application to		

perform the signature verification of the updated BIOS image; and

the TPM program performing the signature verification of the updated BIOS image and posting a result of the signature verification of the updated BIOS image to the BIOS update application.

3

1	5.	The computer program product as recited in claim 4, further comprising:	
2		if the result of the signature verification of the updated BIOS image determines	
3	that t	the updated BIOS image is authentic, then the TPM program unlocks the flash	
4	mem	ory; and	
5		the BIOS update application modifies the BIOS with the updated BIOS image.	
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1	6.	The computer program product as recited in claim 5, further comprising:	
2		programming for locking the flash memory after the BIOS update application	
3	modi	modifies the BIOS with the updated BIOS image.	
1	7.	The computer program product as recited in claim 6, further comprising:	
2		if the result of the signature verification of the updated BIOS image determines	

that the updated BIOS image is not authentic, then an error message is output.

l	8.	A data processing system having circuitry for updating a BIOS stored in a flash
2	memo	ory in the data processing system, comprising:
3		input circuitry for receiving an updated BIOS image;
1		circuitry for requesting a TPM to perform a signature verification of the updated
5	BIOS	image;
5		the TPM performing the signature verification of the updated BIOS image;
7		the TPM unlocking the flash memory if the signature verification of the updated
3	BIOS	image determines that the updated BIOS image is authentic; and
)		circuitry for modifying the BIOS with the updated BIOS image.

- 9. The system as recited in claim 8, further comprising:
 circuitry for locking the flash memory after the BIOS is modified with the
 updated BIOS image.
- 1 10. The system as recited in claim 8, further comprising:
 2circuitry for outputting an error if the signature verification of the updated BIOS.
 3 image determines that the updated BIOS image is not authentic.